

Qy 738 AGCTTATCAGTCGCTGACCCAAAGGGCATGATGAGGAGAGCCGAGGACCA 797  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 361 AGCTTATCAGTCGCTGACCCAAAGGGCATGATGAGGAGAGCCGAGGACCA 420  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Qy 798 ATCCGGCCGAAGTTGGCAGCTGAGAGGAGGACCA 834  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 421 ATCTGGCCGAAGTTGGAGATGCCACATCCCT 457  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

RESULT 8  
 AI600977/c  
 LOCUS [AI600977.2](#) x1 486 - leaf primordia cDNA library from Hake lab Zea mays CDNA, mRNA sequence.  
 DEFINITION AI600977.1 GI:4610138  
 ACCESSION AI600977.1  
 VERSION EST  
 KEYWORDS Zea mays  
 ORGANISM Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; clade; Magnoliophyta; Liliopsida; Poales; Poaceae; PACC  
 REFERENCE 1 (bases 1 to 422)  
 AUTHORS Walbot, V.  
 TITLE Maize ESTs from various cDNA libraries sequenced at Stanford University  
 JOURNAL Unpublished (1999)  
 COMMENT Contact: Walbot V  
 Department of Biological Sciences  
 Stanford University  
 855 California Ave, Palo Alto, CA 94304, USA  
 Tel: 650 723 2227  
 Fax: 650 725 8221  
 Email: [walbot@stanford.edu](mailto:walbot@stanford.edu)  
 Plate: 4606077 row: F column: 12.  
 FEATURES Location/Qualifiers  
 1. .422 /organism="Zea mays"  
 /cultivar="B73"  
 /db\_xref="taxon:4577"  
 /clone\_id="486 - leaf primordia cDNA library from Hake lab."  
 /tissue\_type="leaf primordia"  
 /dev\_stage="P7\_P11 leaf"  
 /lab\_host="E.coli XII-Blue MFR"  
 /note="Organ: shoot; Vector: Lambda zap; Hake lab cDNA library."  
 BASE COUNT 109 a 110 c 79 g 124 t  
 SOURCE

Query Match 34.1%; Score 398.6; DB 9; Length 422;  
 Best Local Similarity 99.0%; Pred. No. 1.4e-72;  
 Matches 401; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 663 TGTATGTGATGAGGCCATCTGGCGACCTGGTGGCTTCCTACCGGACCATCT 722  
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 Db 422 TGTATGTGATGAGGCCATCTGGCGACCTGGTGGCTTCCTACCGGACCATCT 363  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Qy 723 TCAACAGGCAAGGAGGCTATCATGTCGCTGACTCCAAGGGCATGATGAGGAGA 782  
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 Db 362 TCAACAGGCAAGGAGGCTATCATGTCGCTGACCCAGGGATGAGGAGA 303  
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 Qy 783 AGCCGGAGGACCAATCGAGGCCGAACCTTGGACCTGAGCTCGAGTCGA 842  
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 Db 302 AGCCGGAGGACCAATCGAGGCCGAACCTTGGACCTGAGCTCGAGTCGA 243  
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 Qy 843 CTGTAGGAGATCCAACTGGAGCTTGGACCTGAGCTATGAGTCGA 902  
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 Db 242 CTGTAGGAGATCCAACTGGAGCTTGGACCTGAGCTATGAGTCGA 183  
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 Qy 903 GATATTATGAAATTCAACAAATAATAGAATATCAGCATAAAAGATCTCAAGT 962  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Db 182 GATATTATGAAATTCAACAAATAATAGAATATCAGCATAAAAGATCTCAAGT 123  
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 Qy 963 CAACCTTACATTTTTCATTTTCATTTCTCCGGATATTCTTCATTTCTGGCTGCTG 1022  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 122 CAACCTTACATTTTTCATTTCTCCGGATATTCTTCATTTCTGGCTGCTG 63  
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 Qy 1023 GTTGGAGGGTATGGAAAGGGAGGGGTTGATA 1067  
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 Db 62 GTTGGAGGGTATGGAAAGGGAGGGTTGATA 18  
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RESULT 9  
 AW20051  
 LOCUS AW20051  
 DEFINITION 660056D01.y1 660 - Mixed stages of anther and pollen Zea mays cDNA, mRNA sequence.  
 ACCESSION AW520051  
 VERSION AW520051.1 GI:7162429  
 KEYWORDS EST  
 SOURCE Zea mays  
 ORGANISM Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACC  
 clade; Panicoideae; Andropogoneae; Zea.  
 REFERENCE 1 (bases 1 to 588)  
 AUTHORS Walbot, V.  
 TITLE Maize ESTs from various cDNA libraries sequenced at Stanford University  
 JOURNAL Unpublished (1999)  
 COMMENT Contact: Walbot V  
 Department of Biological Sciences  
 Stanford University  
 855 California Ave, Palo Alto, CA 94304, USA  
 Tel: 650 723 2227  
 Fax: 650 725 8221  
 Email: [walbot@stanford.edu](mailto:walbot@stanford.edu)  
 Plate: 660056 row: D column: 01.  
 FEATURES Location/Qualifiers  
 SOURCE 1. .588  
 /organism="Zea mays"  
 /cultivar="Ohio43"  
 /db\_xref="taxon:4577"  
 /clone\_id="660 - Mixed stages of anther and pollen"  
 /tissue\_type="whole premiotic anthers to pollen shed"  
 /dev\_stage="premiotic anthers to pollen shed"  
 /lab\_host="XLOLR".  
 /note="Organ: anthers; Vector: Lambda zap; Site\_1: ECORI; Site\_2: XbaI; Anther and pollen cDNA library. Directionally sequenced with 5' end at the EcoRI site. Created by Amie Franklin."  
 BASE COUNT 175 a 123 c 133 g 157 t  
 ORIGIN

Query Match 33.7%; Score 394.2; DB 10; Length 588;  
 Best Local Similarity 98.0%; Pred. No. 1e-71; Mismatches 8; Indels 0; Gaps 0;

Qy 60 CGGACGAGAGACGTTGATGCTTAATGGCGATAGTTGATGCCATTTCCTG 119  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 182 CAGGATCCAAAGCTGTTGATGCTTAATGGCGATAGTTGATGCCATTTCCTG 241  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Qy 120 TTGGGGACAAATACACCGATATATCAGTTCATGGCACGTTGATGCCA 179  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 242 TTGGGGACAAATACACCGATATATCAGTTCATGGCACGTTGATGCCA 301  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Qy 180 GCTTGTGCCAACAGAAACTGGAGCAAGCAGGGCTAGTTGATTCACTTGATTT 239  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 302 GCTTGTGCCAACAGAAACTGGAGCAAGCAGGGCTAGTTGATTCACTTGATTT 421  
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 Qy 240 CTTGTTCCAGAAGGAAGAAGTGGTTGAGGCTACGGCTGCAATCATGCCATTC 299  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 362 CTTGTTCCAGAAGGAAGAAGTGGTTGAGGCTACGGCTGCAATCATGCCATTC 421  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

#### IDENTIFIERS

dbEST Id: 2419524  
EST name: 486077\_F12.x1  
GenBank Acc: AI600970  
GenBank gi: 4610138

#### CLONE INFO

Plate: 486077 Row: F Column: 12  
DNA type: cDNA

#### PRIMERS

PolyA Tail: Unknown

#### SEQUENCE

TTTTTTTTTTTTTTATTAAACCCCTCCGCCTCCGCCTCCGCTTCCAATACCCCTCCA  
ACCACACACACACAAAACAAATAGAAATCATCCGGAGAAATGAAAAAAATGTTAGGTT  
TGACTTGAGATCTTTATACTGCTTGTATATTCTATATTGTTGTGAATTCTAAATA  
TCTAAACCAATTAAAAGAAAGGATGGTGCGCCTCTCAAAGCTCGGTTGGGATCCTCTAC  
AGTCGACTGCATAGGCTGTCAGGTGCCTCAAAGCTTCGGCCTCGGATTTGGCCTCGCGG  
CTTCTCCCTCGAATCAATGCCTTGGGTAGCGACATGATAAGCTCTCCTGCCTGTT  
GAACATGCGTCCGGTGACGAAACCGGACCGTGCAGATGGCTCTGATCACATA  
CA

Entry Created: Apr 13 1999

Last Updated: Apr 21 1999

#### LIBRARY

dbEST lib id: 1622  
Lib Name: 486 - leaf primordia cDNA library from Hake lab  
Organism: Zea mays  
Cultivar: B73  
Organ: shoot  
Tissue type: leaf primordia  
Develop. stage: P7-P11 leaf  
Lab host: E.coli XL1-Blue MFR'  
Vector: Lambda zap  
Description: Hake lab cDNA library.

#### SUBMITTER

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#### CITATIONS

Title: Maize ESTs from various cDNA libraries sequenced at Stanford University.  
Authors: Walbot, V.  
Year: 1999  
Status: Unpublished